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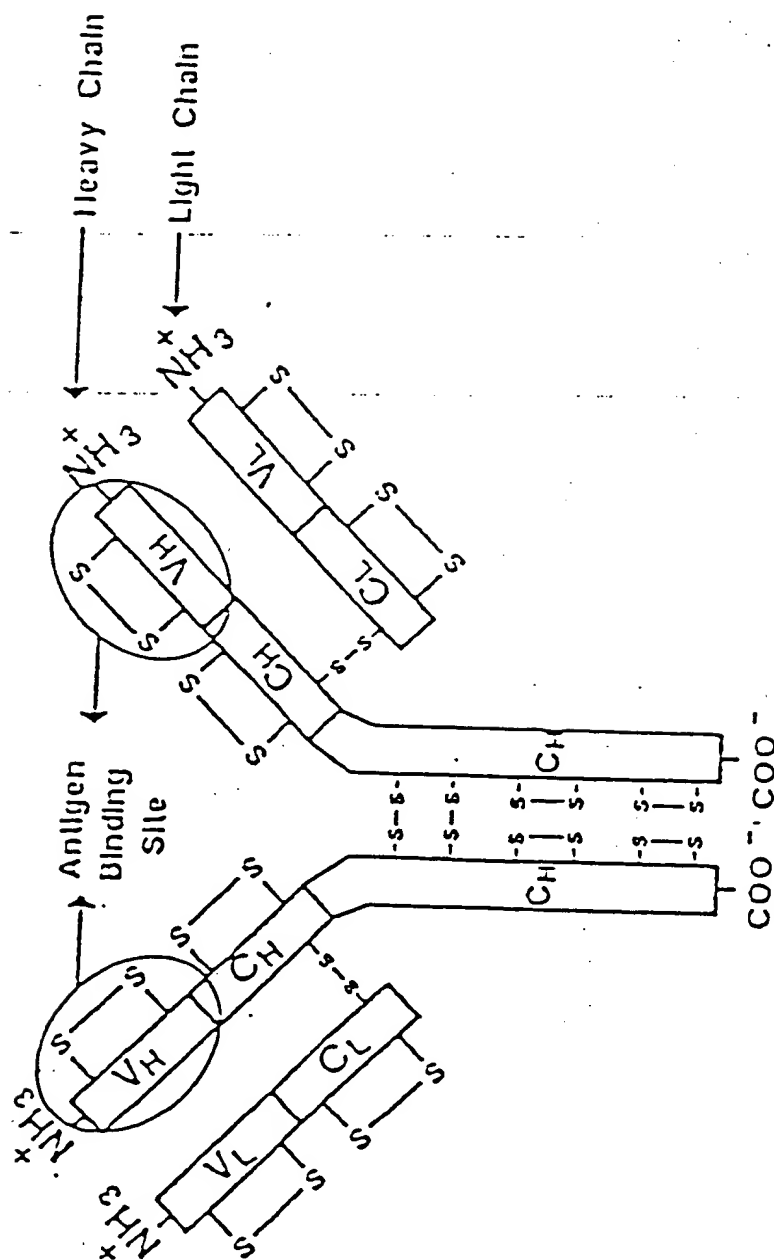
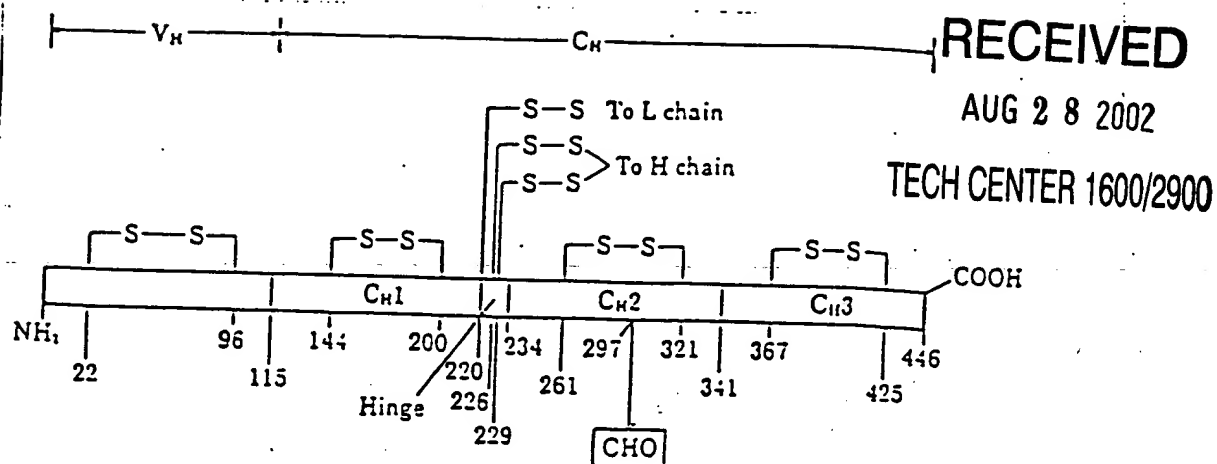


FIGURE 1



B

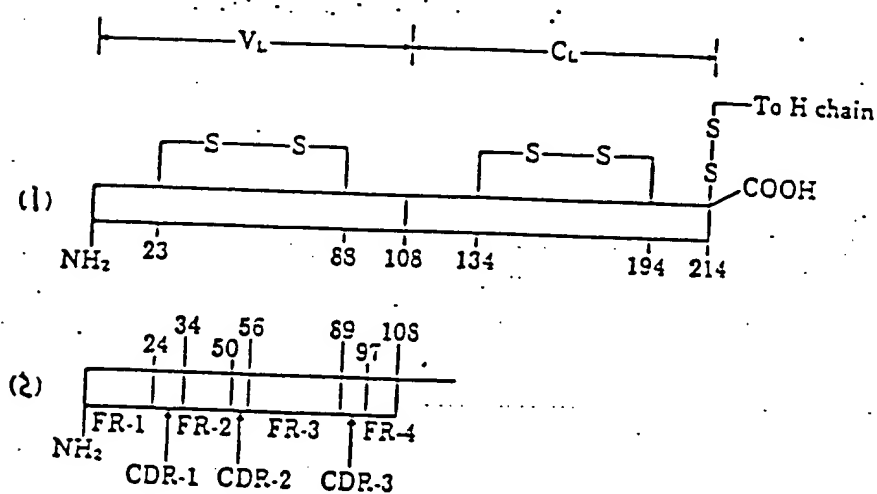


FIGURE 2

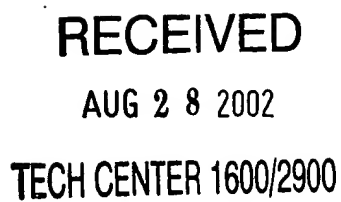


FIGURE 3

[illegible]

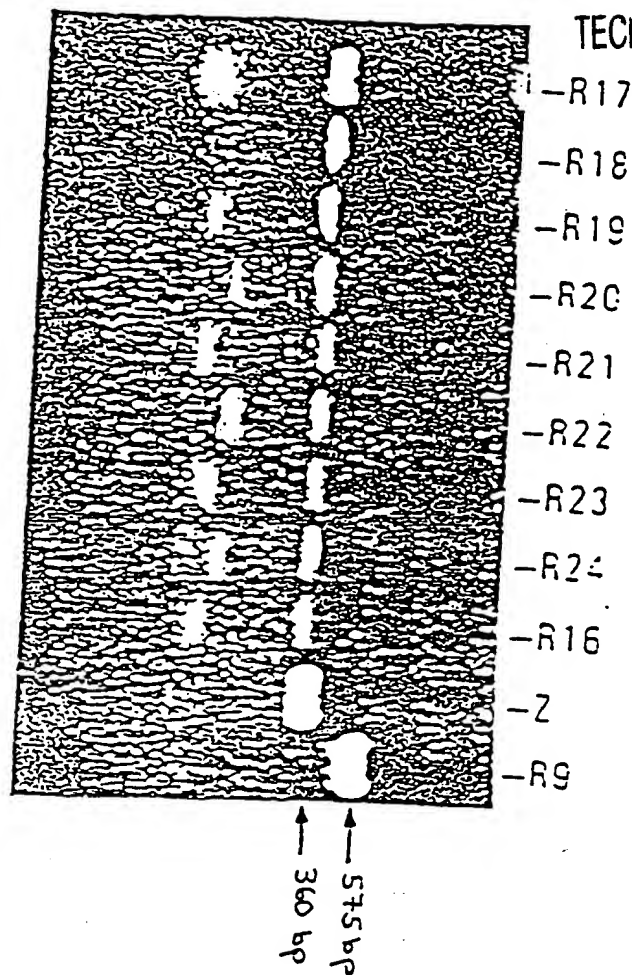


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FIGURE 4



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CCAGIT (SEQ ID NO:20)

[illegible][illegible]

...CAGGACATCACTAAGTGGTTTCAGGCGGTGGCCGCAAGCAAAAGCCG(SEQ ID NO.7)

CCGACCTCTG GGGCTAAGCT GGAATACCGCT T
TCTGCGTACCA CCTTACCTAGCTACIATATGTTACTGGGTCA AGCAGACCGCGCT

GGGAGTCTG GGGCTCAGGT
GGGAGTCTG GGGCTCAGGT
ACCTACTCGATGAACTCGGTCA AGCAAGAAGCC (SEQ ID NO:25)

...CGGAGCTGACGGCCTCACCAAGTCGCCTGAAGCAAGAGCCCTGGT(SEQ ID NO:29)

[illegible]

CCGAGTCTG CAGGTGGCCT GGTCCAGCCT GGAAGATCGG TGAAGATCTT T
AGATAATGGATGAGT GCGGTTC GCGACGGCTCC (Seq ID NO:28)

Accession Number U08697 (Seq ID NO:29)

...GAGGC T CAGCAATCGATT¹ACGAGAIACIGCATGACATCCGATC...

08 GCAAGGCTC CTGTCCAGGC TCTGGATTCA GTTTCAGGAC TTTCGATTTT

[illegible]

5
CGACGCTTCC GATAGATGTC CTGCAGGCT TGTGGCACA GCCTCTCTTC CTCCTCCCT

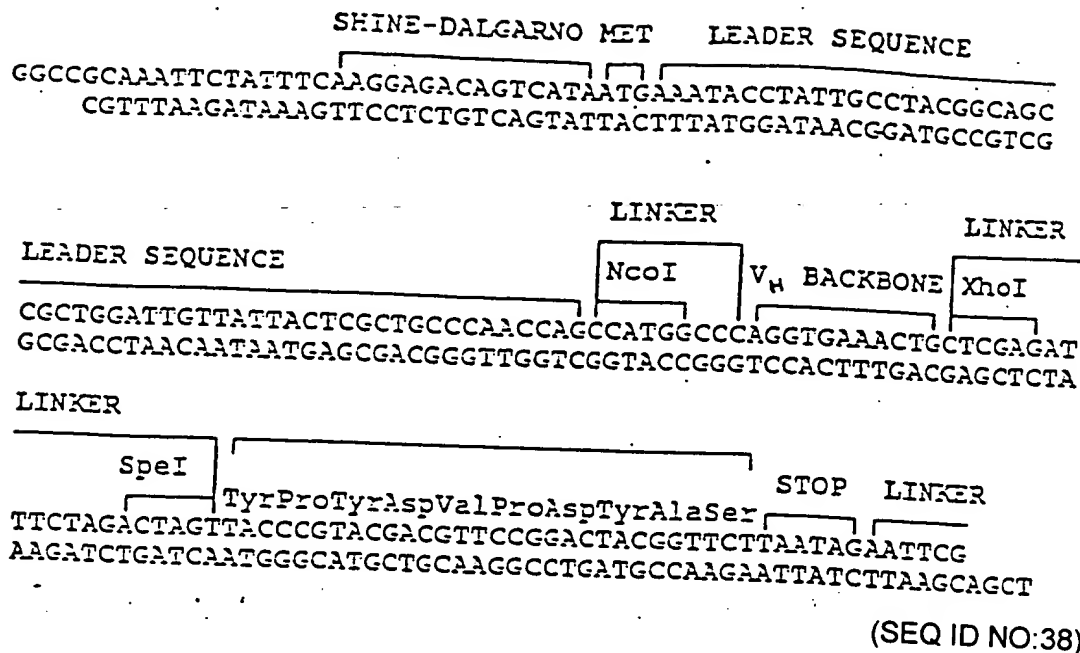
~~SECRET~~

IDENTIFICATION NUMBER: 100000001A C1A7ATGTAC TGGGTCAAGC ACAAGGCCICG /SEO ID NO-371



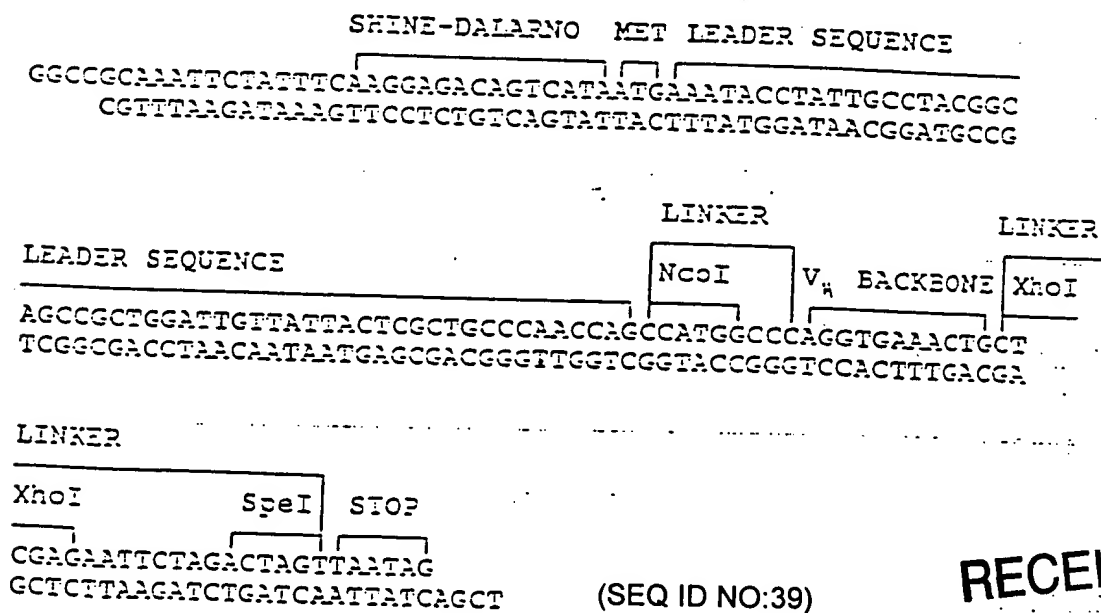
A

V_h EXPRESSION VECTOR:



B

V_h EXPRESSION VECTOR:



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FIGURE 6 .

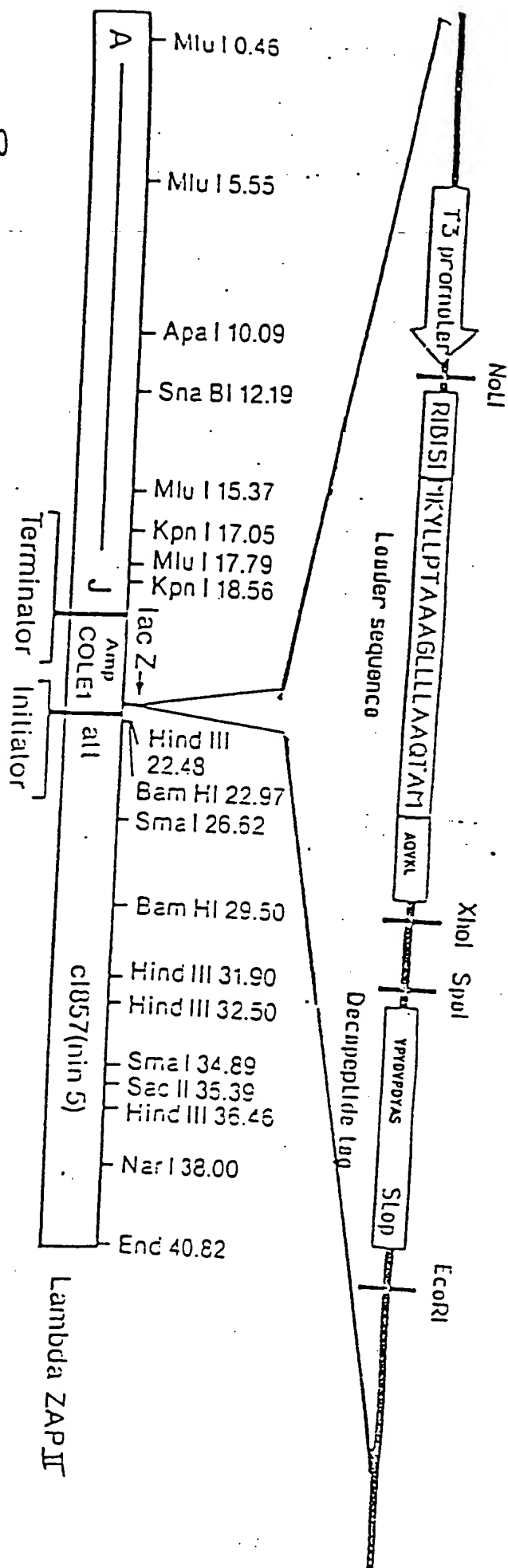


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FIGURE 7

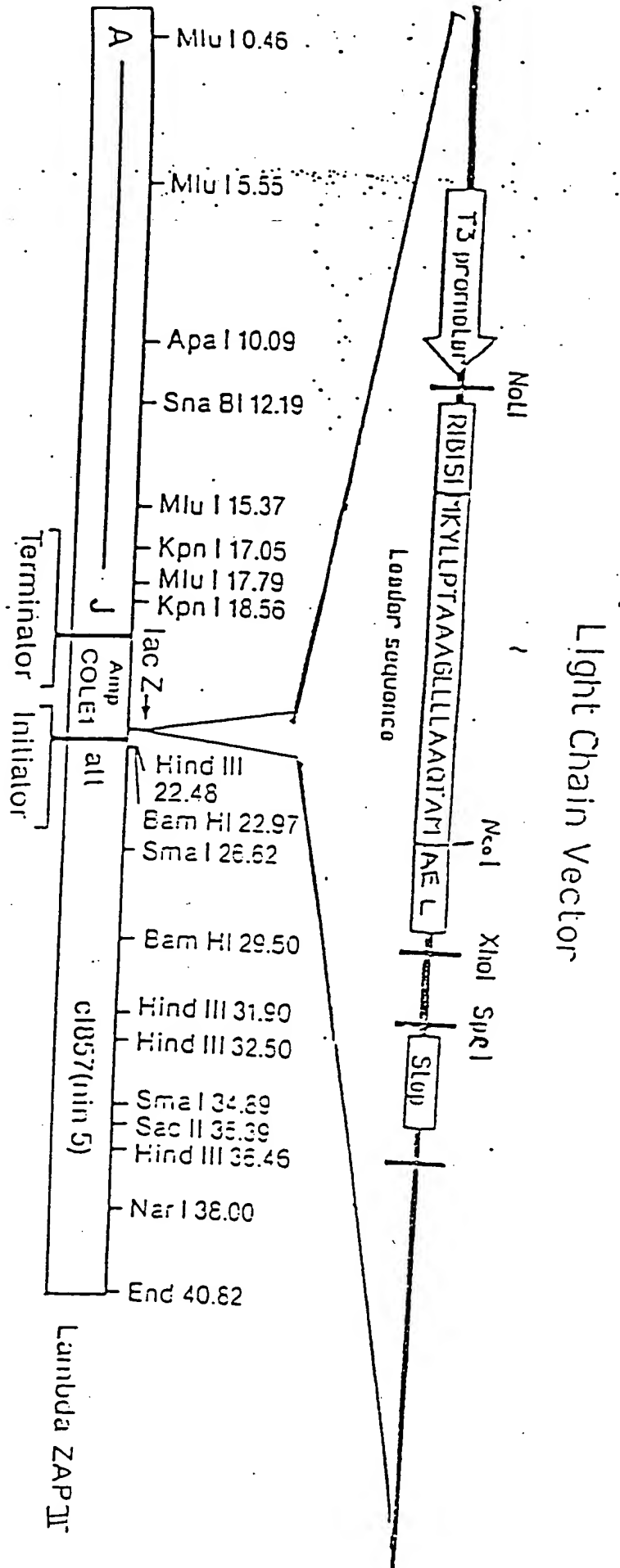


Heavy Chain Vector



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FIGURE 8





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Light Chain Vector

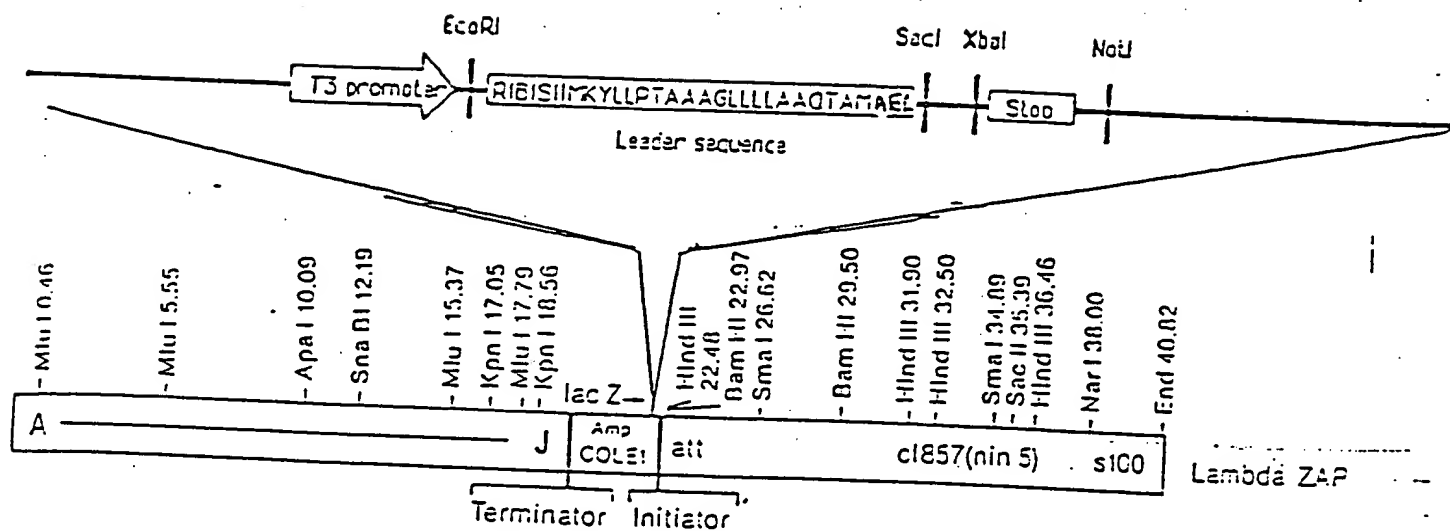


FIGURE 9



EcoR I SHINE-DALGARNO MET LEADER SEQUENCE

TGAATTCTAAACTAGTCGCCAAGGAGACAGTCATAATGAAATACCTATTGCCTACGGCA
TCGAACTTAAGATTTGATCAGCGGTTCCCTCTGTCAGTATTACTTTATGGATAACGGATGCCGT

LEADER SEQUENCE Nco I Sac I Xba I

GCCGCTGGATTGTTATTACTCGCTGCCCCAACCAGCCATGGCCGAGCTCGTCAGTTCTAGAGT
CGGCGACCTAACAATAATGAGCGACGGGTGGTCCGTACCGGCTCGAGCAGTCAAGATCTCA

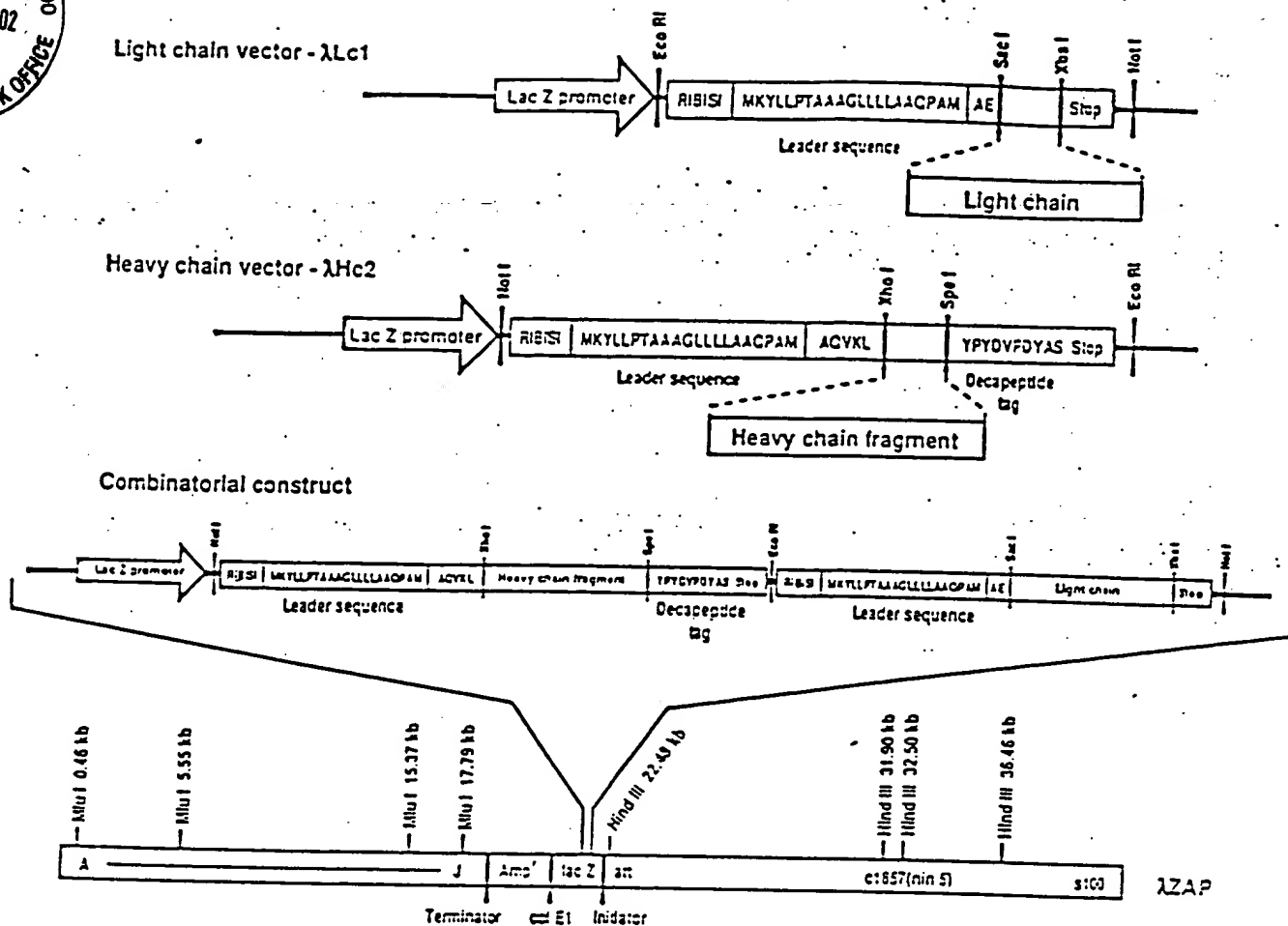
Not I

TAAGCGGCCG
ATTCGCCGGCAGCT

(SEQ ID NO:41)

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FIGURE 10



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FIGURE 11



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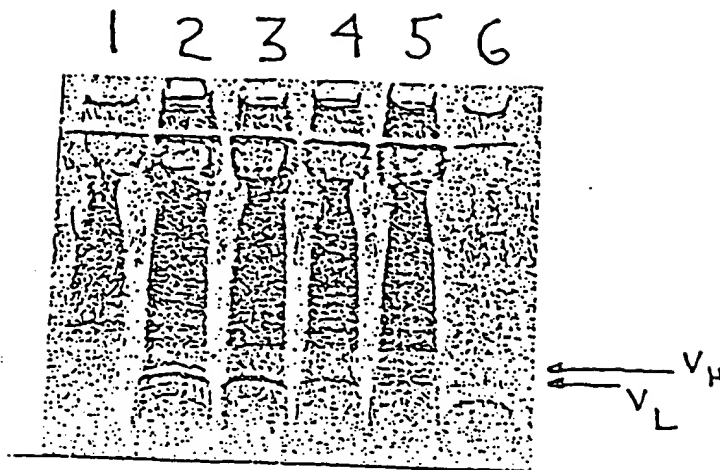


FIGURE 12



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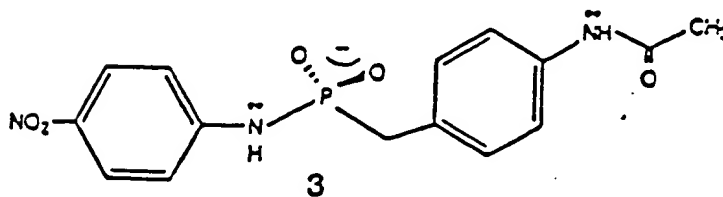
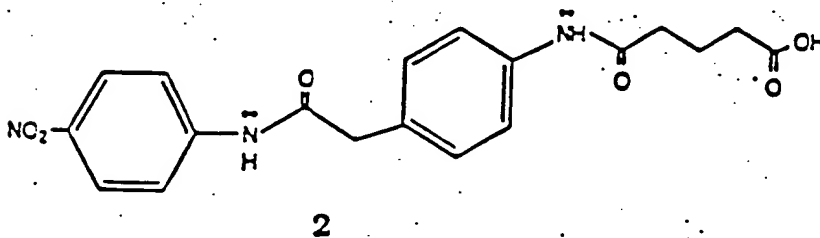
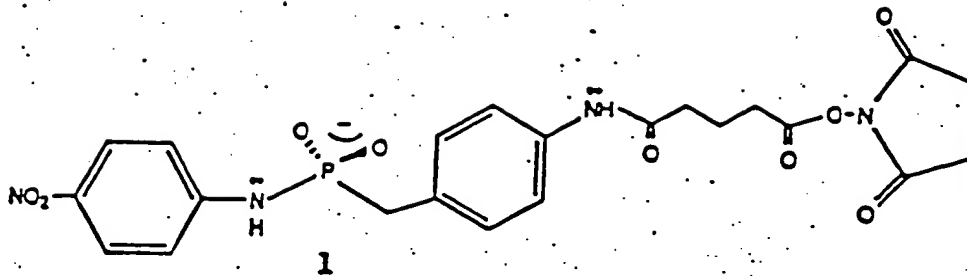


FIGURE 13



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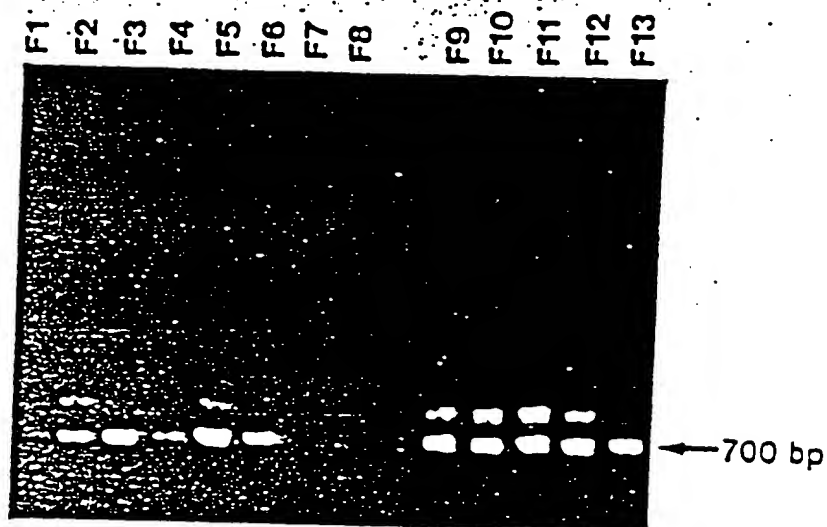


FIGURE 14



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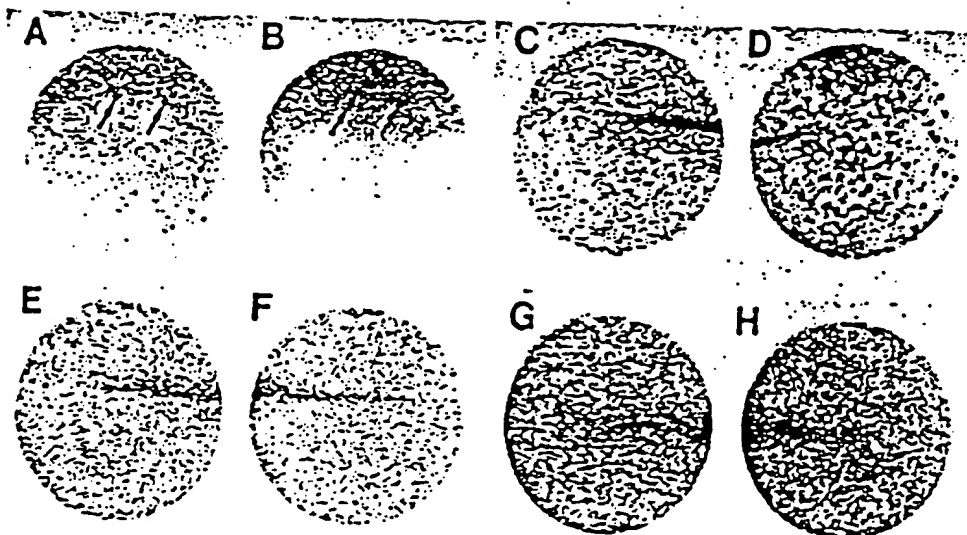


FIGURE 15



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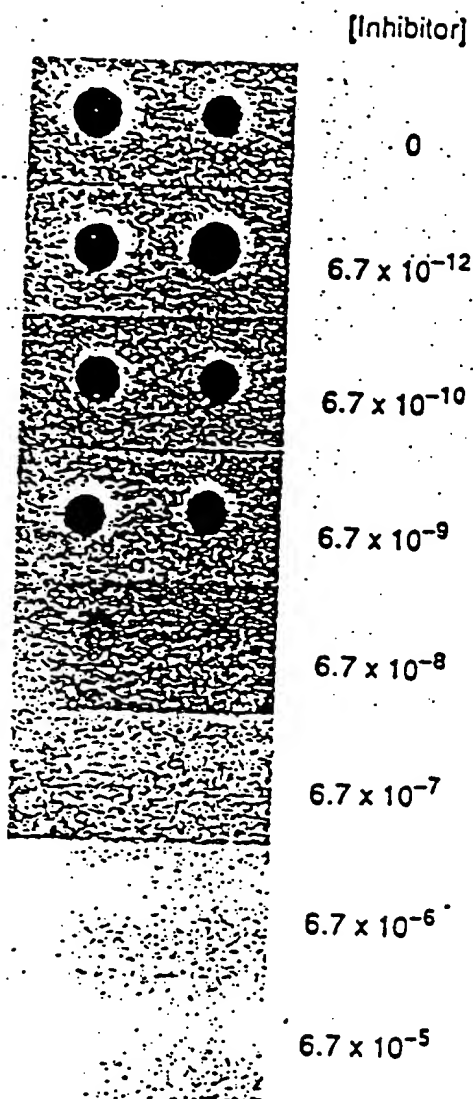


FIGURE 16



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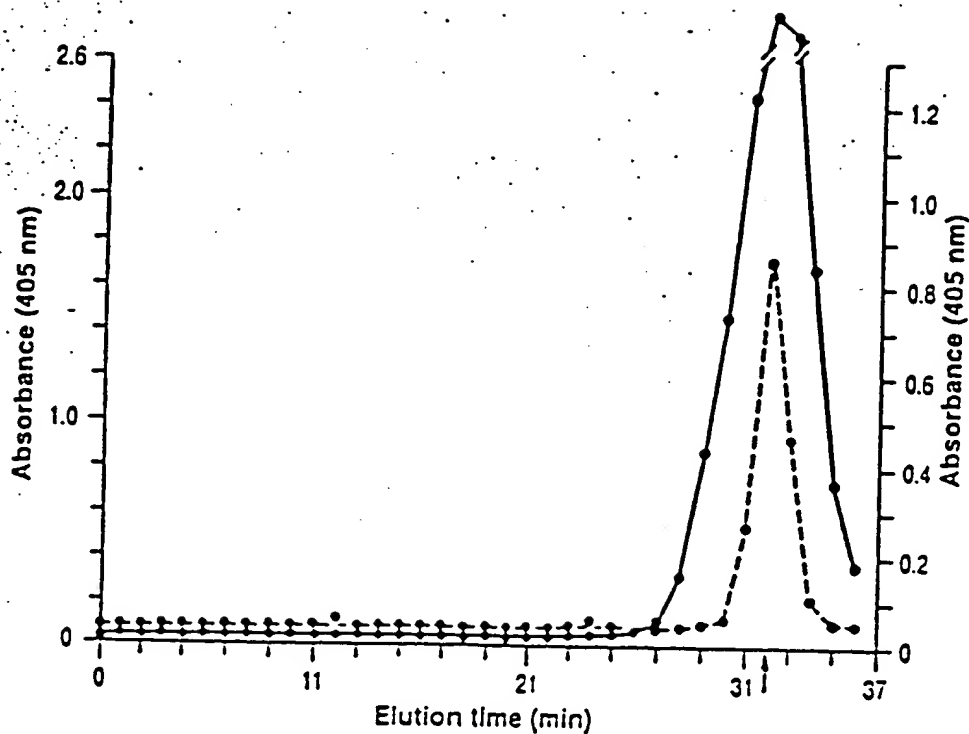


FIGURE 17



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SupF

5' TCGAGCGCCGATCCGCTTCCCGATAAGGGAGCAGGCCAGTAAAAGCATT
3' CGCGGCTAGGCGAAGGGCTATTCCCTCGTCCGGTCATTTTCGTAAT

CCTGTGGTGGGGTTCCCGAGCGGCCAAAGGGAGCAGACTCTAAATCTGCC
GGACACCACCCCAAGGGCTCGCCGGTTTCCCTCGTCTGAGATTTAGACGG

GTCATCGACTTCGAAGGTTCGAATCCTTCCCCCACCACCATCACTTTCAA
CAGTAGCTGAAGCTTCCAAGCTTAGGAAGGGGTGGTGGTAGTGAAAGTT

AAGTCCGACTAGTTACCCGTACGACGTTCCGGACTACGCTTCTTAATAG 3'
TTCAGGCTGATCAATGGGCATGCACGAAGGCCTCATGTGAAGAATTATCTTAA 5'

(SEQ ID NO:119)

B

SupF

5' CGCCCGATCCGCTTCCCGATAAGGGAGCAGGCCAGTAAAAGCATTACCTG
3' TCGTGCGGGCTAGGCGAAGGGCTATTCCCTCGTCCGGTCATTTTCGTAATGGAC

TGGTGGGGTTCCCAGCGGCCAAAGGGAGCAGACTCTAAATCTGCCGTCA
ACCACCCCAAGGGTCGCCGGTTTCCCTCGTCTGAGATTTAGACGGCAGT

TCGACTTCGAAGGTTCGAATCCTTCCCCCACCACCATCACTTTCAAAAGT
AGCTGAAGCTTCCAAGCTTAGGAAGGGGTGGTGGTAGTGAAAGTTTCA

CCGACTAGGGCCT 3'
GGCTGATCCCGGAGATC 5'

(SEQ ID NO:120)

FIGURE 18



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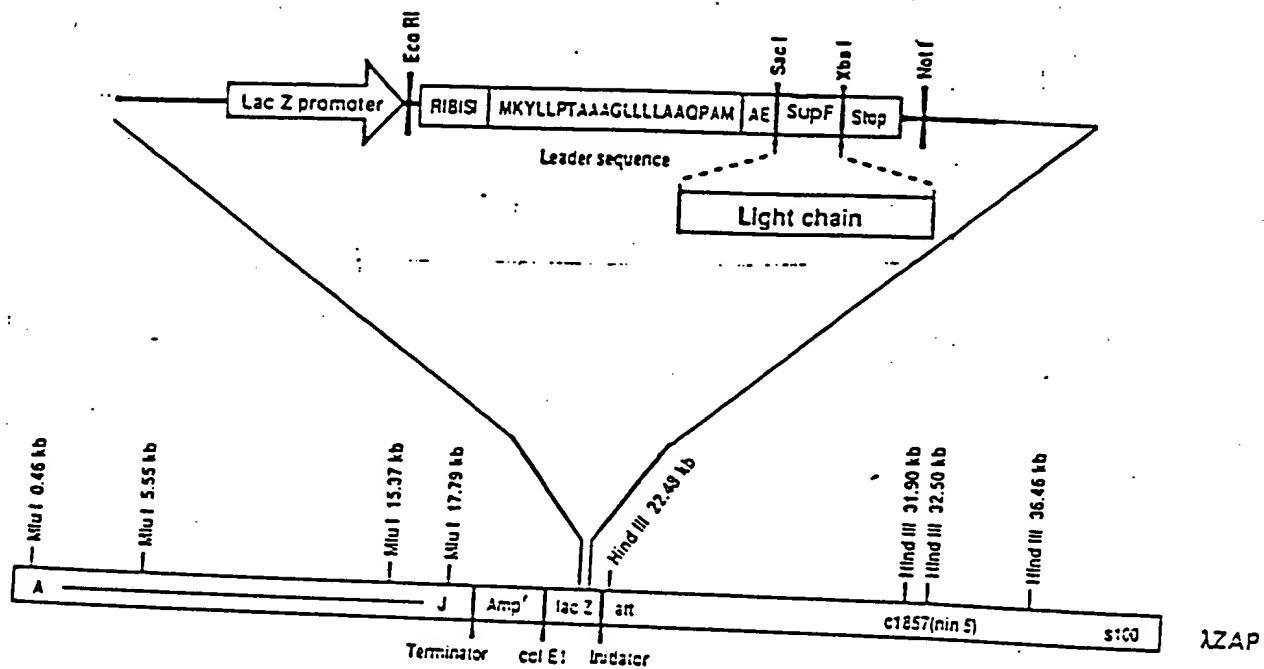


FIGURE 19A



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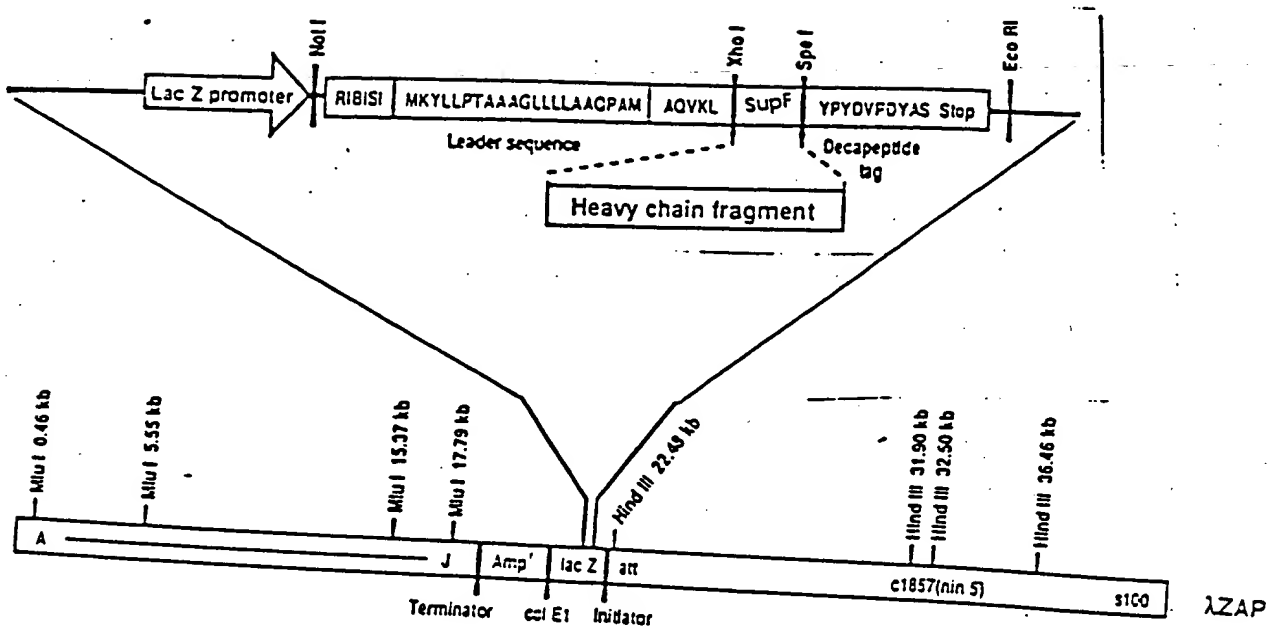


FIGURE 19B



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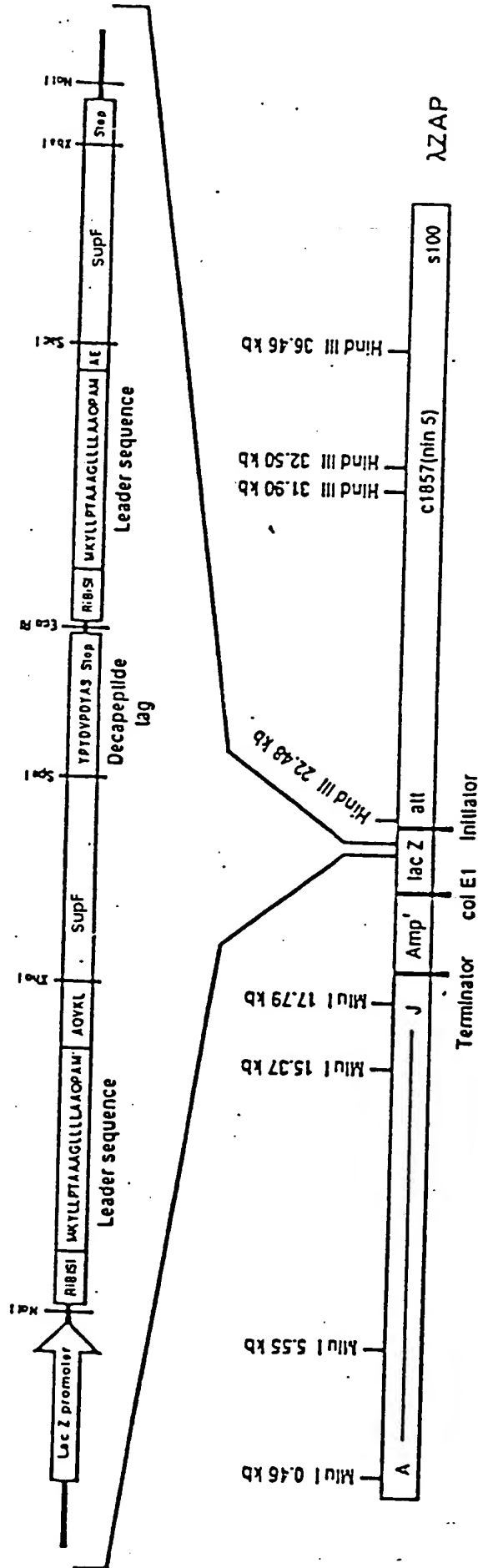


FIGURE 20